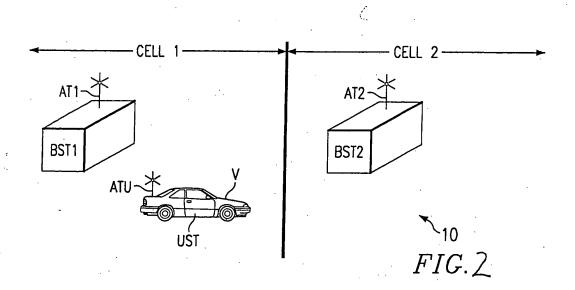
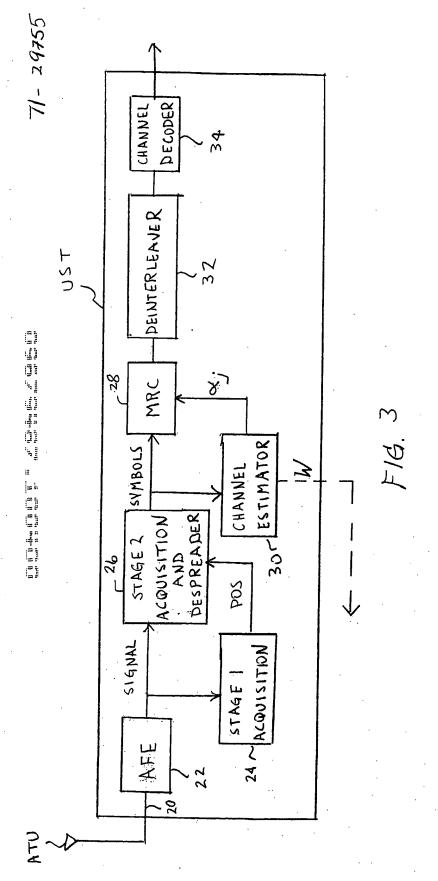
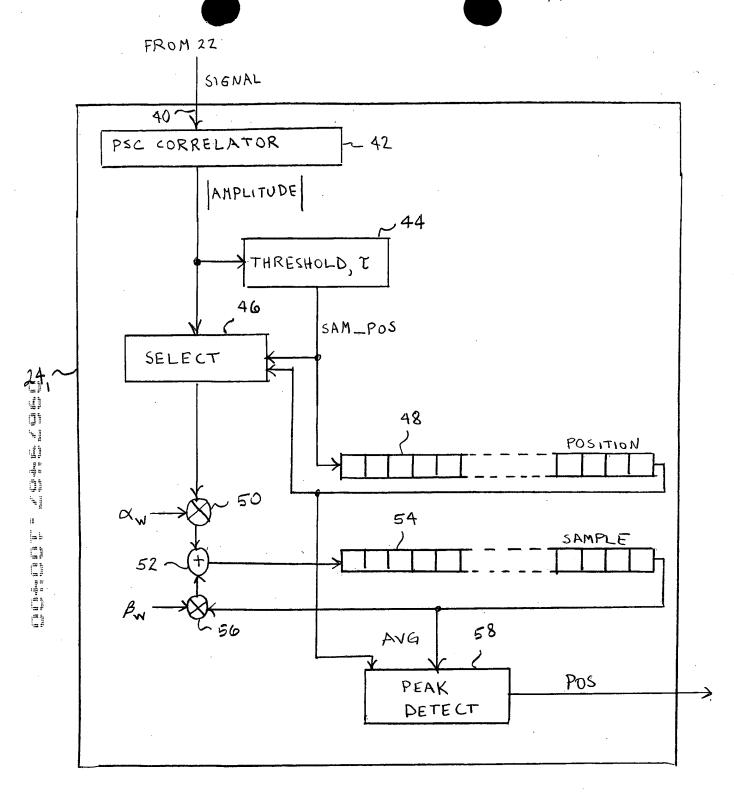


FIG. 1 (PRIOR ART)







F1G. 4

BUFFER FIRST SET OF ENERGY

SIGNALS THAT, FOR A SAMPLE

SLOT EXCEED THRESHOLD T,

AND BUFFER POSITIONS OF

THOSE SAMPLES

COMBINE SECOND SET OF ENERGY
74 ~ SIGNALS WITH FIRST SET AND AT
STORED SAMPLE POSITIONS

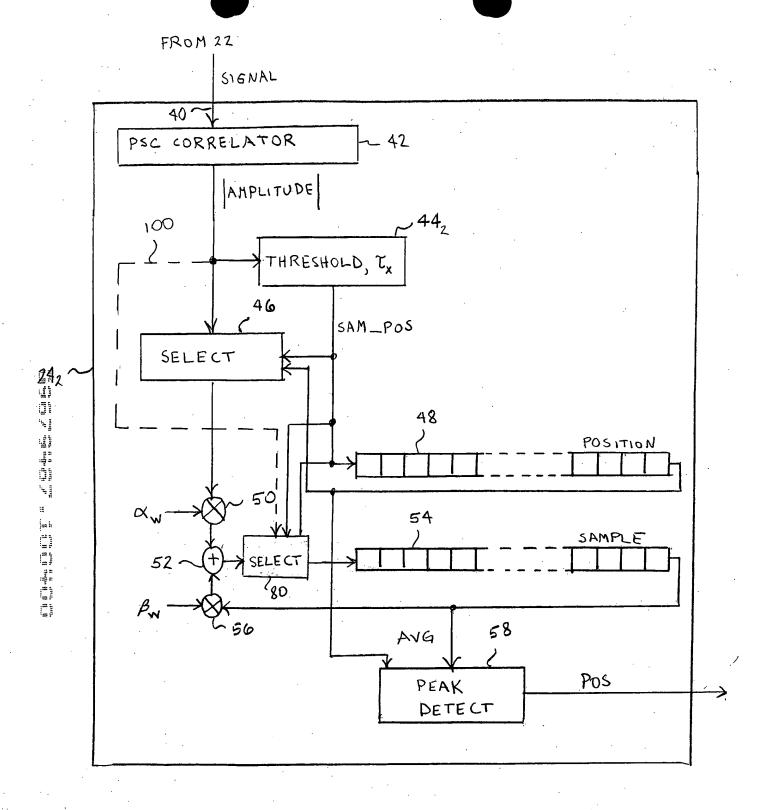
DETECT LARGEST PEAK IN

76 ~ COMBINED SETS (I.E., AVG) AND

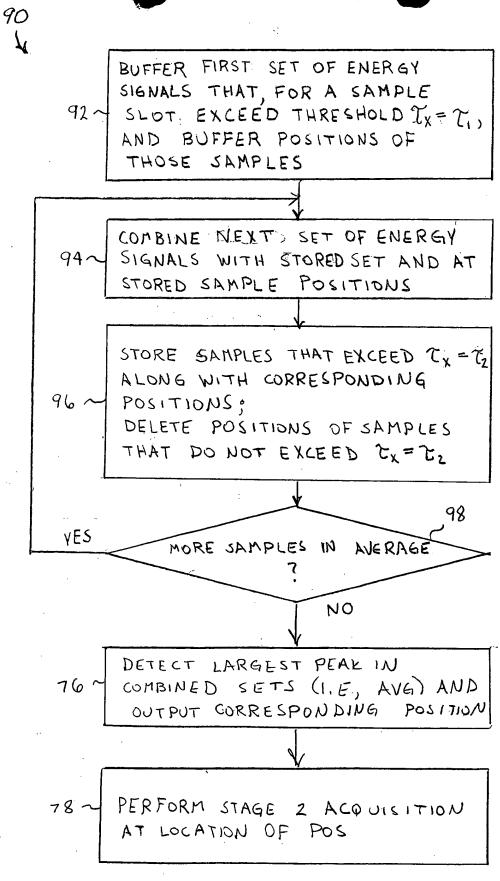
OUTPUT CORRESPONDING POSITION

78 - PERFORM STAGE 2 ACQUISITION AT LOCATION OF POS

F16.5



F1G. 6



F1G. 7